PATENT COOPERATION TREATY

From th	ne NATIONAL SEAR	CHING AUTHO	DRITY		5.07	
To:					PCT	
	see form P	CT/ISA/220		INTERNATIO	TEN OPINION OF TI NAL SEARCHING AU PCT Rule 43 <i>bis</i> .1)	
				Date of mailing (day/month/year) s	ee form PCT/ISA/210 (second sh	neet)
	cant's or agent's file reform PCT/ISA/22			FOR FURTHER ACTION See paragraph 2 below		
	ational application N EP2004/008689		International filing date (da 03.08.2004	y/month/year)	Priority date (day/month/yea. 04.08.2003	r)
	national Patent Class	ification (IPC) or	both national classification a	nd IPC		
Appli BOF	cant REALIS TECHNO	DLOGY OY				
1.	This opinion co	ntains indicat	ions relating to the follo	wing items:		
	☑ Box No. I☑ Box No. II☑ Box No. III	Basis of the o	•	rd to novelty, inven	tive step and industrial applic	cability
:	Box No. IV	Lack of unity		,,	•	
:	⊠ Box No. V	Reasoned sta applicability;	atement under Rule 43 <i>bis.</i> citations and explanations	1(a)(i) with regard supporting such st	to novelty, inventive step or i atement	ndustrial
İ	🖾 Box No. VI	Certain docu				
	⊠ Box No. VII		ts in the international appl			
	⊠ Box No. VIII	Certain obse	vations on the internation	at application		
2.	FURTHER ACT					
	written opinion of the applicant che International Bu- will not be so co	of the Internation poses an Author reau under Rul nsidered.	nal Preliminary Examining ority other than this one to e 66.1 <i>bis</i> (b) that written o	be the IPEA and the pinions of this Inter	vill usually be considered to l . However, this does not app ne chosen IPEA has notifed to reational Searching Authority	the
	الكالمطام سأنفذ تستاني	EA a written re e date of mailin	alu tagether where santo	nriate with ameno:	ne IPEA, the applicant is invit ments, before the expiration on of 22 months from the pri	OI BIICO
	For further optic	ns, see Form	PCT/ISA/220.			
3.	For further deta	ils, see notes t	o Form PCT/ISA/220.			
Na	me and mailing addre	ess of the ISA:		Authorized Officer		Andrew Princery
-	NL-2280 Tel. +31	n Patent Office - HV Rijswijk - Pa 70 340 - 2040 To 70 340 - 3016	P.B. 5818 Patentlaan 2 ys Bas :: 31 651 epo nl	Clemente Gar		

10/566775 IAP9 Rec'd PCT/PTO 31 JAN 2005! International application No.

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

PCT/EP2004/008689

	Box N	
1.	With re	egard to the language , this opinion has been established on the basis of the international application in guage in which it was field, unless otherwise indicated under this item.
	la	tis opinion has been established on the basis of a translation from the original language into the following inguage—, which is the language of a translation furnished for the purposes of international search index Rules 12.3 and 23.1(b)).
2.	With re	egard to any nucleotide and/or amino acid sequence disclosed in the international application and sary to the claimed invention, this opinion has been established on the basis of:
	a. type	of material:
		a sequence listing
		table(s) related to the sequence listing
	b. forr	nat of material:
		in written format
		in computer readable form
	c. tim	e of filing/furnishing:
		contained in the international application as filed.
		filed together with the international application in computer readable form.
		furnished subsequently to this Authority for the purposes of search.
3	t	n addition, in the case that more than one version or copy of a sequence listing and/or table relating theret las been filed or furnished, the required statements that the information in the subsequent or additional oppies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

4. Additional comments:

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/EP2004/008689

	Box	No. II	Priority			
١.	⊠	The foll	lowing document has	not been	furnished:	
		⊠	copy of the earlier a	pplication	whose pric	ority has been claimed (Rule 43bis.1 and 66.7(a)).
			translation of the ea	rlier applic	ation who	se priority has been claimed (Rule 43bis.1 and 66.7(b)).
		Consec	quently it has not been establish	en possible ned on the	e to consid assumption	er the validity of the priority claim. This opinion has on that the relevant date is the claimed priority date.
2.		hac he	pinion has been estal en found invalid (Rul ate indicated above i	les 43 <i>bis</i> .1	and 64.11	ty had been claimed due to the fact that the priority clain . Thus for the purposes of this opinion, the international ne relevant date.
3.	Add	litional o	observations, if neces	ssary:		
_					- Dula 42	his 1/a/ii) with regard to novelty inventive step or
	Box	No. V	Reasoned stater applicability; citation	nent unde ons and e	er Rule 43 xplanation	bis.1(a)(i) with regard to novelty, inventive step or a supporting such statement
 1.	ind	No. V ustrial	Reasoned stater applicability; citation	nent unde ons and e	er Rule 43 xplanation	bis.1(a)(i) with regard to novelty, inventive step or as supporting such statement
1.	Sta	ustrial	applicability; citatio	ons and e	er Rule 43 xplanation	bis.1(a)(i) with regard to novelty, inventive step or as supporting such statement
1.	Sta	ustrial tement	applicability; citatio	ons and e	xplanation	bis.1(a)(i) with regard to novelty, inventive step or as supporting such statement 1-12
 .	Star Nov	ustrial tement velty (N	applicability; citatio	Yes: No:	xplanation Claims	ns supporting such statement
1.	Star Nov	ustrial tement velty (N	applicability; citatio	Yes: No:	xplanation Claims Claims	ns supporting such statement
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	Star Nov Inve	ustrial tement velty (N entive s	applicability; citation	Yes: No: Yes: No: Yes: Yes:	Claims Claims Claims Claims Claims Claims	1-12
	Sta Nov Inve	tement velty (N entive sustrial a	applicability; citation step (IS) applicability (IA)	Yes: No: Yes: No: Yes: Yes:	Claims Claims Claims Claims Claims Claims	1-12
	Sta Nov Inve	tement velty (N entive sustrial a	applicability; citation step (IS) applicability (IA) and explanations	Yes: No: Yes: No: Yes: Yes:	Claims Claims Claims Claims Claims Claims	1-12

2. Non-written disclosures (Rules 43bis.1 and 70.9)

see form 210

and /or

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/EP2004/008689

Box No. VII Certain defects in the international application

The following defects in the form or contents of the international application have been noted:

see separate sheet

Box No. VIII Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

see separate sheet

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Item IV

WO-A-2004/022646 discloses films of high clarity made of a blend of a single-site polymerised polyethylene of density 0.910 to 0.940 g/cm³ and 0.5 to 20% of a HDPE of density greater of 0.940 g/cm³ (see [0102] and claims 1 and 12, 13, 18, 19).

Item V

Art. 33.2; Novelty

- 1. The claims are not novel. **WO-A-92/07905 (D1)** discloses the use of small amounts of HDPE homopolymer of density at least 950 kg/m³ as nucleating agent for semicrystalline ethylene/alpha-olefin copolymers of density of less than 940 kg/m³. The films obtained with this composition have haze of less than 40% and a gloss of greater than 35 (see claims 1-11; table VII; page 8, line 19 to page 9, line 30). The claims 1-12 are not novel. Dependent claim 7 is a product by process claim. The process features that define the product cannot as such render the claim novel. Only technical features related to the product can limit the claim.
- 2. **US-B-6346576 (D2)** discloses blends of high density polyethylene homopolymer of density 0.935-0.975 g/cm³ with ethylene/alpha-olefin prepared with a single site catalyst of density of 0.900 to 0.935 g/cm³. The blends are used to make films. Claims 10 and 11 are not novel over D2 (see claim 3).

Art. 33.3; Inventive step

The problem of improving crystallisation of polyethylene in order to increase clarity and gloss by adding HDPE into the blend as nucleating agent has already been solved in D1. Therefore, the claims do not involve an inventive step.

Item VII

Documents D1 and D2 should be acknowledged in the description and briefly discussed (Rule 5.1 a (II)).

Item VIII

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

International application No.

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Claim 7 is a product by process claim. This claim can only be novel and inventive if the technical features that characterise the product render the product as such novel and inventive.